

20030211.qrp v02_n828.qrl.20030211

Date: Tue, 11 Feb 2003 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2828

QRP-L Digest 2828

Topics covered in this issue include:

- 1) [146034] Toward QRP DXCC award
by "Bob Tellefsen" <n6wg@earthlink.net>
- 2) [146035] Re: WM-1/2 Peak Circuit
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 3) [146036] BBC and XM Radio
by Kenneth Hoglund <hoglund@wfu.edu>
- 4) [146037] Twisted Bifilar windings
by "w8diz" <w8diz@fpqrp.com>
- 5) [146038] RE: Question, QRP kind of
by "Makai" <makai@makai.org>
- 6) [146039] Re: Question, QRP kind of
by "Rod N0RC" <rod@n0rc.us>
- 7) [146040] re: Paddles Portable or Station?
by Michael Babineau <michael.babineau@sympatico.ca>
- 8) [146041] Re: Announcing "BUGS" - Fostering the use of semi-automatic Morse
Keys
by ae5x@netscape.net (John Harper AE5X)
- 9) [146042] Scruffy HW8 wanted
by john <johnmb@nc.rr.com>
- 10) [146043] Index Labs QRP+
by Michael and Linda March <lmarch@visuallink.com>
- 11) [146044] OT - looking for HTX-200/400 accessory
by James R Giammanco <n5ib@juno.com>
- 12) [146045] FS: Wilderness Sierra
by "Steve Zumbrun" <zumbruns@evertek.net>
- 13) [146046] QSK switch, which led to inverter, which led to QRM...
by "stan mcintosh" <mcintosh@triad.rr.com>
- 14) [146047] Re: RS power supply schematic?
by "Lee Mairs" <lmairs@direcway.com>
- 15) [146048] OT: Laptop parts needed
by "brian" <brian@iquest.net>
- 16) [146049] Re: Twisted Bifilar windings
by "Thomas Kuehl" <ac7a@earthlink.net>
- 17) [146050] For Sale TenTec Argonaut 515
by "Kent" <klandis@woh.rr.com>
- 18) [146051] Re: Index Labs QRP+
by ve3ab@mail.mondenet.com

- 19) [146052] RE: FYBO
by "Bob Hightower" <nk7m@extremezone.com>
- 20) [146053] A Bencher paddle
by "Karl F. Larsen" <k5di@zianet.com>
- 21) [146054] Bencher Paddle and electronic keyer FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 22) [146055] Further statement on BeacoNet
by Paul Womble <pwomble1@tampabay.rr.com>
- 23) [146056] Re: Index Labs QRP+
by Tom Mc <tjmc@erols.com>
- 24) [146057] Re: WTB: Now You're Talking?
by Chris Cartwright <ccart@phideaux.com>
- 25) [146058] Re: WTB: Now You're Talking?
by Patrick Gardella <pgardella@yahoo.com>
- 26) [146059] FS: S&S Engineering ARK4 Xcvr
by "Alan Fryer" <N3BJ@hotmail.com>
- 27) [146060] Re: FS: S&S Engineering ARK4 Xcvr
by "Alan Fryer" <N3BJ@hotmail.com>
- 28) [146061] Rock-Mite DX happy dance
by "Jim Stamper" <jstamper@shentel.net>
- 29) [146062] CW Keyboard program?
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 30) [146063] Re: [Elecraft] CW Keyboard program?
by "Tony Wells" <t.wells@blueyonder.co.uk>
- 31) [146064] FS: FT-7 and FT-301SD with PS
by "Ron Pfeiffer" <n1zsw@hotmail.com>
- 32) [146065] Light Bulb Dummy Loads
by "Tom" <kf4yyd@adelphia.net>
- 33) [146066] ARGONAUT V
by "W2BJ" <barry@w2bj.com>
- 34) [146067] Re: Twisted Bifilar windings
by ve3ab@mail.mondenet.com
- 35) [146068] THANKS--CW Keyboard
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 36) [146069] TenTec 208 Filter Schematic
by "Rick Wilson" <rickw@cfw.com>

Date: Mon, 10 Feb 2003 15:26:13 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [146034] Toward QRP DXCC award
Message-ID: <MABBJOEABOILMKCJCLFCMEDEEBAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I decided to go rummage in my old logs to see what I had worked over the years as a QRP'er.
These logs go back to 1980. In the process I ran across many familiar calls, showing we have been at this QRP business longer than I realized.
The first couple of years had a lot of DX worked with my then-new HW-8 at 1w output.

I printed out a copy of the DXCC list, then started writing in calls and dates by the appropriate countries. The HamCall site, http://buck.com/cgi-bin/do_hamcallexe was a big help. Unfortunately, a few calls are so old the owner has left, or the call has expired, and in a few cases the countries no longer exist as such. Really interesting exercise.

Anyway, when the dust settled (and there was some in logs 23 years old :-)), I now have 80 DXCC-qualified contacts toward QRP DXCC. Now to scare up the remaining 20.
I'll see what I can do this coming weekend in the ARRL International DX Contest.
73, Bob N6WG

Date: Tue, 11 Feb 2003 00:26:58 +0100
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@Lehigh.EDU
Subject: [146035] Re: WM-1/2 Peak Circuit
Message-ID: <5.1.1.6.1.20030211002232.009eac00@pop.gmx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Mike and all others,

I have uploaded (at last) a short description of my modifications at

http://www.t-online.de/~dk3red/pdf/wm2mod_en.pdf .

I think you should read Larry East's original article for more informations.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>

DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
QRP ARCI #11295 <http://www.qrparci.org>

Date: Mon, 10 Feb 2003 19:27:00 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [146036] BBC and XM Radio
Message-ID: <3E484354.BA1D6D51@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a quick note: BBC World Service is a standard channel on the XM radio system, available 24/7.

I've travelled extensively in the Middle East, and the BBC is always one of the most welcome stations on the radio. Of course, you hear many more numbers stations over there than here!

73
Ken KG4FGC

Date: Mon, 10 Feb 2003 19:52:33 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [146037] Twisted Bifilar windings
Message-ID: <002001c2d167\$dd3e00a0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang,

I was asked by another ham...

"Why do you twist the wires when winding a toroidal transformer"
His question was in reference to a 1:4 broadband HF band transformer used to transform a 12.5 ohm Z to 50 ohms.

I think it reduce interwinding capacitances. What say all you techies?

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Mon, 10 Feb 2003 20:15:25 -0500
From: "Makai" <makai@makai.org>
To: <qrp-1@Lehigh.EDU>
Subject: [146038] RE: Question, QRP kind of
Message-ID: <PNECIPPPNNNBKIAMNDHNEEAOCDA.makai@makai.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

I recently subscribed to the XM Satellite radio service and it does indeed have the BBC feed... Unfortunately they do not carry the NPR feed... Still and all, I am very pleased with the service...

72 - Bruce = KL7H/C6A

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.449 / Virus Database: 251 - Release Date: 1/27/2003

Date: Mon, 10 Feb 2003 18:17:33 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <ko4wx@mindspring.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [146039] Re: Question, QRP kind of
Message-ID: <004901c2d16b\$5ba41120\$6501a8c0@bigdog>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Michael C. Boatright" <ko4wx@mindspring.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 10, 2003 8:24 AM
Subject: Re: Question, QRP kind of

> Ahah! Didn't know that one. Thanks for the link. Note that these
> frequencies and times are "secondary service"--which I believe means that
> you're actually listening to a different service, such as Caribbean or
> Asian Service, but you get most of the same programming (News, News Hour,
> Outlook, Focus on Faith, From Our Own Correspondent, etc.).
>

I think "secondary service" means the delivery mechanism e.g. SW vs Internet. I could be wrong, couldn't find a definition for the term.

> "Officially" there are no broadcasts directly to the USA, however, BBC and
> NPR have an arrangement where each provides reciprocal continental
> distribution for the other. I had forgotten about the other places that
> take the NPR feed in the US including Sirius (BBC website also shows XM,
> but I thought Sirius had it exclusively...will have to check with my
> sources on that one) and CPAN-2 SAP (note, I cannot receive this via DirectTV).
>

I'm concerned that the programming of these "feeds" are "audience" tuned. I turn to the BBC and other sources, for a different, non-US-centric view of current events. I cut my teeth on SWL during the cold war. Listening to VOA, BEEB, Radio Moscow.... and others report current events was quite interesting at times. All reported the same news but with a far different twist, and emphasis of facts. I believe the BEEB to be the most objective.

Not mentioned by you (but by others) are the internet feeds, YUK! BBC uses Real Audio, I refuse to use Real Audio. I don't like the way it "permeates" the host machine, and all the hype to buy a "pro" copy. Then there is the notion of sitting in front of a computer, listening to a radio program--maybe I'm old

fashioned but that just seems wrong somehow. :-)

73, Rod N0RC

Date: Mon, 10 Feb 2003 20:28:56 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: pgardella@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [146040] re: Paddles Portable or Station?
Message-ID: <3048BBC7-3D60-11D7-BDA3-00039309268A@sympatico.ca>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

Patrick :

You might also consider an in-between paddle such as the Vibroplex Code-Warrior or the CT-22 Paddles from Morse Express ... these are both decent paddles that stay put but don't add an extra 2 pounds of weight to your station when operating portable.

Unless you are planning to backpack, where every ounce counts I don't think that you will need an extremely like paddle like the Palm or Paddlette.

Cheers,

Michael VE3WMB

Date: Mon, 10 Feb 2003 20:30:03 -0500
From: ae5x@netscape.net (John Harper AE5X)
To: qrp-1@lehigh.edu
Subject: [146041] Re: Announcing "BUGS" - Fostering the use of semi-automatic Morse Keys
Message-ID: <62974D2D.727C274A.00003ABB@netscape.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

This link may work better:
<http://www.qth.com/collegiate/bugs.htm>

--

John Harper AE5X
80 Meter DXing & Outdoor QRP: <http://www.ae5x.com>

The NEW Netscape 7.0 browser is now available. Upgrade now! <http://channels.netscape.com/ns/browsers/download.jsp>

Get your own FREE, personal Netscape Mail account today at <http://webmail.netscape.com/>

Date: Mon, 10 Feb 2003 20:53:09 -0500
From: john <johnmb@nc.rr.com>
To: qrp-l@lehigh.edu
Subject: [146042] Scruffy HW8 wanted
Message-ID: <3.0.3.32.20030210205309.0261516c@pop-server.nc.rr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

...well, it doesnt HAVE to be scruffy, but it does have to be reasonably priced and work OK....a few scrapes and scratches or even the odd hole is OK.

Please send condition and price.

73!

John K5M0
Clayton NC

Date: Mon, 10 Feb 2003 21:25:25 -0500
From: Michael and Linda March <lmmarch@visuallink.com>
To: qrp-l@Lehigh.EDU
Subject: [146043] Index Labs QRP+
Message-ID: <3E485F15.7020804@visuallink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I have a QRP+ that has lost almost all receive sensitivity. Anyone working on these rigs? Thanks in advance.

Mike K4QU

Date: Mon, 10 Feb 2003 18:51:09 PST
From: James R Giammanco <n5ib@juno.com>
To: qrp-1@Lehigh.edu
Subject: [146044] OT - looking for HTX-200/400 accessory
Message-ID: <20030210.204442.17575.1.n5ib@juno.com>

Anybody have the belt clip attachment (with the two teeny screws) for the HTX-200 or 400 (the little Radio Shack mini HT) that you don't need or want?

Hey, at 200 mW, it's QRP :^))

73
Jim N5IB

Sign Up for Juno Platinum Internet Access Today
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Visit www.juno.com

Date: Mon, 10 Feb 2003 20:57:38 -0600
From: "Steve Zumbrun" <zumbruns@evertek.net>
To: <qrp-1@Lehigh.EDU>
Subject: [146045] FS: Wilderness Sierra
Message-ID: <000d01c2d179\$56b4c250\$6404a8c0@s0023320298>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Still have the very nice Sierra FS with NB, KC-2, ABX, d1 Amp and 6 Band Boards. I want \$350.00 plus shipping. I can send a digital photo if interested. Thanks and 73, Steve W0SZ.

Date: Mon, 10 Feb 2003 22:22:06 -0800

From: "stan mcintosh" <mcintosh@triad.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [146046] QSK switch, which led to inverter, which led to QRM...
Message-ID: <000301c2d195\$e709b2e0\$1f0aa318@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for the help with the QSK switch designs a week or so ago. I settled on the one that appears on the internet for the rose-80 transceiver. It's almost too simple to screw up, and it worked on the first try. (<http://www.rason.org/Projects/rose80/rose80.htm>) The one on John Seboldt's page looks a bit more beefy (<http://www.seboldt.net/k0jd/r2t2stn.html#t2>), but I'm just planning on qrping with this one. The switch works, and it works well. And, it is in an Altoids box with room to spare, which is good because I need to add something else for muting the BC-348.

Yes, I want to use this with a BC-348, which may not even care if 10V or so of RF comes into the antenna lead. Muting may be all that matters, but I'd still like to protect the front end out of general hygiene. Even though PIN diodes are not a faithful mix with a glowbug transmitter or the aforementioned receiver, I want to use something like a 6CL6 VX0 oscillator. Sure, that'll make the mix even odder; let's mix some minis with some octals. Even so, it's my station. Anyhow...

There are enough things plugged into this corner, so I looked for a way to capitalize on having 12V out the wazoo. My supply can deliver 22 amps or so, and I'm not going QRO. Last weekend, I lashed together a small step-up supply that should deliver about 150-200 mA of B+ (140-250V, depending). It's amazing what you can do with a sidetone multivibrator, flip-flop chip, and an old filament transformer coupled with a pair of FET's. The flip-flop may not have been necessary, but I was being: 1) anal about the two phases being as equal as reasonable, and 2) too lazy to calculate the component values needed to drop the 800 Hz tone to 60-300 Hz. Dividing by 4 with the 4013 gave a beautiful square wave, which is where the trouble seemed to start.

As I semi-sort of expected, the noise level went up a lot when I turned on the power supply which then activated the step-up circuit. On the other hand, I did not expect for the noise level to remain high when I unhooked the step-up circuit but left the power supply on. Those crisp-edged square waves were not doing anything to the noise level in comparison with the power supply (later, I tried the step-up with a gel cell and still didn't notice a noise problem). I'm using an MFJ-4225MV switcher power supply. When I bought it, it didn't seem to cause QRM, but it gives the BC-348 fits. There was some QRM with the SW-80, but an 0.01 uF cap across the binding posts fixed that (be careful with this approach, since it can negate the

current limiting characteristics of the supply design; the capacitor can deliver a surge that the limiter can't stop).

Any thoughts guys? I can use a gel-cell around the bench (like Dave Benson recommended 4-5 years ago), but it'd be nice to use this ample power supply. My BC-348 B+ is limited, so I wouldn't want to tack a transmitter onto that load.

Also, what about the possibility of regulating or semi-regulating the B+. With a regulated low voltage input (and a transformer with a 2.5 kV standoff rating), it should be possible to take the output from 100 or so to 200 V by regulating the input from 6-12V. The output swing can be broader with a voltage doubler configuration. Alternatively, since the output will have to have a bleeder resistor, let's say that the bleeder is 10 resistors in series, with a tap at the positive end of the ground-most resistor. Run that tap to the voltage sense pin of an LM-723 and use that to drive the system to regulate the input voltage. Would that be asking for self-oscillation trouble to try to regulate the output voltage that way?

This has gotten long enough. Sorry for the ramble.

72
stan
kd4bth

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.449 / Virus Database: 251 - Release Date: 1/27/03

Date: Mon, 10 Feb 2003 22:50:30 -0500
From: "Lee Mairs" <lmairs@direcway.com>
To: <ballardr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [146047] Re: RS power supply schematic?
Message-ID: <01fd01c2d180\$b8d2b170\$2202a8c0@J4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The real creek without the paddle is when the company refuses to sell you the schematic citing possible litigation as the reason for their action.

This happened to me with a marine battery charger from a company that has since been taken over by Xantrex. I fought like mad with them without result. I ever wrote a column on this refusal to provide schematics in SpinSheet Magazine. They didn't even bother to reply...

73 de Lee

km4yy

----- Original Message -----

From: "Dick Ballard" <ballardr@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, February 10, 2003 5:16 PM

Subject: RS power supply schematic?

I bought the service manual per the info in a post by MIKE SOUHRADA <wb9iog@revealed.net>:

>I sent e mail to R/S and got this:

>service manual 22-510 12342473 \$6.29 has the schematic.

>Order center Tele

>1-800-843-7422 option 2.

>Mike

>Iowa

The schematic in the manual is quite small and might not come through the scanning process very well. In addition, there is a ton of other information in the manual which you would need to troubleshoot this supply.

It's a 24 page 8-1/2 x 11 book which includes the circuit diagram, block diagram, PCB layout, detailed complete parts list, pictorial layout, component pin outs, and PWM regulator IC diagram. There are overvoltage and overcurrent protection circuits and a thermistor controlled fan speed circuit. You would be very challenged to work on this thing without the service manual.

This manual is a very worth while purchase. Mine was \$8.79 including shipping. I bought two of the supplies, so the cost of the service manual is easily justified. I have been "up the creek without a paddle" too many times trying to repair an undocumented device!

Dick Ballard

Beaverton OR

W7AND

On Thu, 6 Feb 2003 18:56:57 -0500, you wrote:

>Can anyone send me a copy of the 22-510 RS power supply, please? (also
>220-0510)
>
>Marvin

Date: Mon, 10 Feb 2003 23:05:15 -0500
From: "brian" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-1@fpqrp.com>, "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [146048] OT: Laptop parts needed
Message-ID: <003601c2d182\$c95352f0\$116b2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have been given a Thinkpad 760E from my brother, along with the Dock
II.

I would be interested in any and all accessories you might have for
it. This computer is the most quiet (RF wise) one I've ever had so I
want to use it as a logging workstation in the shack.

I am specifically looking for:

Original Restore CD from IBM with W95 or W98
Books, disks, etc

2nd HD Adapter so I can pull the 1GB drive and put in the 5GB drive.
Any DIMM memory you might still have

Thanks

Will pay \$\$ or trade for parts.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE

SOC #400 AND FLYING PIGS QRP #-57

Date: Mon, 10 Feb 2003 21:36:24 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [146049] Re: Twisted Bifilar windings
Message-ID: <004001c2d187\$22699490\$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Diz,

Such transformers are know as transmission line transformers. The transmission line wound through the core has a characteristic impedance - just like the conventional transmission lines we use to couple our radios to the antenna. The twist in the wires increases the per unit length capacitance compared to when they are simple wound adjacent to each other. Remember the characteristic impedance of a lossless line is: $Z_s = (L/C)^{0.5}$, where L is the per unit inductance, and C is the per unit capacitance. Therefore, twisting the wires lowers the characteristic impedance, because C is increased for a given length. This allows one to adjust the impedance of the transmission line.

Choosing the proper wire diameter and twist can result in a transmission line impedance close to 50 Ohms. For example, two enamel-coated No. 22 wires lightly twisted will have an approximate impedance of 55 Ohms. Using No. 20 wire will reduce the impedance to something closer to 45 Ohms (source, "High Frequency Circuit Design," by James Hardy).

At low frequencies the transformer core is responsible for coupling energy (by magnetic flux) between the primary and secondary; however as the frequency is increased the core permeability drops and coupling between windings relies ever more on the interwinding capacitance. It is this shared

combination of inductive coupling at low frequencies and capacitive coupling at high frequencies that leads to the broadband response of such transformers.

Regards, Thomas - AC7A (Tucson)

> "Why do you twist the wires when winding a toroidal transformer"
> His question was in reference to a 1:4 broadband HF band transformer
> used to transform a 12.5 ohm Z to 50 ohms.
>
> I think it reduce interwinding capacitances. What say all you techies?
>
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

Date: Mon, 10 Feb 2003 23:41:22 -0500
From: "Kent" <klandis@woh.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [146050] For Sale TenTec Argonaut 515
Message-ID: <002d01c2d187\$d4141030\$6401a8c0@vaio>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All

I have just acquired a mint condition Argonaut 515 from an estate. It is in collectible condition both cosmetically and electrically. Pictures are available upon request.

Please respond off list to klandis@woh.rr.com

Tnx es 73
Kent
N8ZRD

Date: Tue, 11 Feb 2003 05:25:32 +0000
From: ve3ab@mail.mondenet.com
To: lmmarch@visuallink.com
Cc: qrp-1@lehigh.edu

Subject: [146051] Re: Index Labs QRP+
Message-ID: <200302111032.h1BAWCC08687@barclay.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I had a problem with my QRP+ where the SBL-1 mixer got damaged with static on the antenna (field day). I replaced the mixer and it cured the problem.

What I actually did was physically cut the old mixer module out..and physically cut the little transformers out and the tiny diodes and removed the metal case of the SBL1 entirely..which just left the old pins still standing and soldered to the circuit board.

Then I bought a short length of brass tubing 1/16 inch size and cut 5/16 th inch pieces 8 required and soldered them on the old pins.

I used a dremel tool and cut a little notch to allow solder flow.

NOW..what you have is a custom made socket for the SBL-1 or

any other mixer you choose to try or experiment with. ALSO

I built a little diode protection circuit for the mixer so it would not likely be damaged again.

Sounds complicated?? Not really..Just takes a few hours and costs very little. I think my mod is still visible on the QRP+ site on www.

73 Earl VE3AB

Date: Tue, 11 Feb 2003 06:29:56 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "'Danny Guarro'" <ag4pn@fastmail.fm>, <qrp-1@lehigh.edu>
Subject: [146052] RE: FYBO
Message-ID: <000401c2d1d1\$af018e40\$f24998d0@Bobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Good question. No summary sheets are required, but we would like to see the logs in the following format:

(time) (contact) (rst) (SPC) (name) (pwr) (temp)

Such as: 1610Z NQ7RP 579 AZ Frosty 2W 40F

This will make it much easier to check logs.

If you can use QRP Dupe for logging, available at Brian Kassel's (K7RE) page <http://members.mato.com/bkassel/> that would be great.

Bob NK7M

Hello-

I will be operating (single op-phone) in the FYBO contest, however, I am still new to contesting. Will I need to e-mail a separate summary sheet in addition to my log? If so, does the summary sheet need to follow any type of format? Like I said, this is still new to me. I look forward to being in the contest! Thanks.

Danny Guarro/AG4PN/QRP
-QTH: Manatee County, FL
-Rig: YAESU FT-817

Date: Tue, 11 Feb 2003 06:39:18 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [146053] A Bencher paddle
Message-ID: <Pine.LNX.4.44.0302110619460.1342-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was at the Mesilla Valley Radio Clubhouse teaching a section of our General Class which takes Friday evening, 8 hours Saturday and 6 hours Sunday. I'm also the Liaison VE and we had just finished testing the 9 students who all passed.

In the back of the room is a lot of old gear members have brought in for sale during our Bean Feed, held the last Sunday in April. In one box was some old dirty keys and of all things and old and dirty Bencher Paddle. I had my FT-817 with me because I was showing off QRP radio. I plugged in the paddle and it didn't work. I looked close at the paddle and saw that one post, the dot post, had no insulator. Under the keyer it had been messed up by someone.

Got the keyer home and made a temporary insulator and got the keyer working. It's very nice. I talked to Sam W0YU who has a lath and other nice tools and also has a Bencher Paddle and explained I needed and insulator. He said he would make one out of teflon. So I drove by and we put the new insulator on and my Bencher Paddle works again. Sam could not find his manual on setting up the paddle so last night I got it close to perfect. It feels a lot nicer than my MFJ 564 paddle.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Tue, 11 Feb 2003 09:08:20 -0500
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [146054] Bencher Paddle and electronic keyer FS
Message-ID: <NGBBLMCL0LBPLBFNJPMKEHEDEAA.W8EK@fdt.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Bencher BY-1 Iambic CW Paddle.

True Bencher, and not the MFJ clone. This has the black base, with chrome parts. Very nice condition. \$65.

MFJ 422 electronic keyer.

This is the keyer that uses the Curtis chip as the keyer, but includes sidetone, and has adjustments for volume, tone frequency, and weighting, as well as speed. It can be used in fully automatic mode, or semi-automatic like a bug. It will key either positive or negative voltages, and is powered by an internal 9 V battery, or external 5 to 9 volt supply. It is made to go on the back of a Bencher Paddle. \$ 60

Both of the above for \$120.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson

E-mail to W8EK@fdt.net or W8EK@arrl.net

Voice Phone (352) 732-8400

Date: Tue, 11 Feb 2003 09:15:36 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [146055] Further statement on BeacoNet
Message-ID: <3E490588.C3745189@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

----- Original Message -----
Subject: [VHFcontesting] Further statement on BeacoNet
Date: Tue, 11 Feb 2003 08:48:45 -0500
From: "Henderson, Dan N1ND" <dhenderson@arrl.org>

Please forward to any reflector as you deem appropriate:

After additional review and conversation The ARRL has come to believe that BEACONet is similar to an automated CQing system. It facilitates the solicitation of contacts. It uses a band that is usable in the particular contest, and QSOs are made on such radios. It uses a mode that is acceptable for contacts in the particular contest. BEACONet seems to comply with the letter and spirit of the contest rules. Although this might be a "new" concept in V/UHF contesting, it doesn't seem contrary to the rules. In view of this interpretation, it appears to that BEACONet does not violate any contest rules, and therefore the use of BEACONet is permissible.

If you have questions regarding this rules interpretation, please contact me at n1nd@arrl.org

Thanks and 73

Dan Henderson, N1ND
ARRL Contest Branch Manager

Date: Tue, 11 Feb 2003 09:17:34 -0500

From: Tom Mc <tjmc@erols.com>
To: lmmarch@visuallink.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [146056] Re: Index Labs QRP+
Message-ID: <3E4905FE.3D06F727@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I have a QRP+ that has lost almost all receive sensitivity. Anyone
> working on these rigs? Thanks in advance.
>
> Mike K4QU
>
Hi Mike,

Sorry to say that the main QRP+ repair tech (Stan Yarema, K7SY) is SK as
of last year.
I believe that the parts were picked up by EMTECH???
(<http://emtech.steadynet.com>).

Good (if you can call it that) news is that this was/is a common
problem of the QRP+'s when the mixer (SB-1?) goes out (prone to static
damage, tho there is a easy mod of diodes to prevent it happening agn).

If needed, I can dig up the info as I saved it, but the main fix was to
leave the pins of the old mixer in place and tack onto or extend the
existing pins for the new mixer.

best
Tom aa2vk
--

```
*****
*   Member of NORCAL, NJQRP, LIQRP, HFPAck  *
*               K2 #1213                      *
*   LIQRP Web Page : www.qsl.net/liqrp        *
*   Personal web page : www.erols.com/tjmc    *
*****
```

Date: Tue, 11 Feb 2003 11:49:49 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Patrick Gardella <pgardella@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [146057] Re: WTB: Now You're Talking?
Message-ID: <Pine.LNX.4.33.0302111143550.10728-100000@dns.phideaux.com.>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Patrick,

Did you find this yet? I have the last Radio Shack version before the switch to three license classes. Basically never used. I can get the published date when I get home. Happy to send it to someone who can use it. Only request is to pass it on or donate it to a library when you're done.

72

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

On Sun, 9 Feb 2003, Patrick Gardella wrote:

```
> My son (9) is interested in getting into radio as well, and although I've tried  
> to teach him  
> myself, I think it might be easier to use the book.  
>  
> Do any of you have a copy you'd like to sell?  
>  
> 73,  
> Patrick N3EO  
>
```

Date: Tue, 11 Feb 2003 09:13:53 -0800 (PST)
From: Patrick Gardella <pgardella@yahoo.com>
To: Chris Cartwright <ccart@phideaux.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [146058] Re: WTB: Now You're Talking?
Message-ID: <20030211171353.89071.qmail@web40901.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I did find a copy! Thank you all for your help.

And I will donate it to a library when I'm done with it.

73,

Patrick N3EO

--- Chris Cartwright <ccart@phideaux.com> wrote:

> Patrick,

>

> Did you find this yet? I have the last Radio Shack version before the
> switch to three license classes. Basically never used. I can get the
> published date when I get home. Happy to send it to someone who can use
> is. Only request is to pass it on or donate it to a library when you're
> done.

>

> 72

>

>

> -- Chris Cartwright, Unix Administrator | ccart@phideaux.com --

> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --

> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

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tried to teach him

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> >

> > Do any of you have a copy you'd like to sell?

> >

> > 73,

> > Patrick N3EO

> >

>

>

Do you Yahoo!?

Yahoo! Shopping - Send Flowers for Valentine's Day

<http://shopping.yahoo.com>

Date: Tue, 11 Feb 2003 18:52:51 +0000

From: "Alan Fryer" <N3BJ@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [146059] FS: S&S Engineering ARK4 Xcvr

Message-ID: <0E25Vu4DfBhJcNJMrSm0000b9f4@hotmail.com>

For sale: S&S Engineering ARK4 40M transceiver. In nice shape, works fine, with

copy of manual. Kind of rare, unique rig. Not to be confused with the ARK40.
Just found one in kit form at a hamfest, so out it goes...

\$125 shipped

Alan, N3BJ

Date: Tue, 11 Feb 2003 19:54:40 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [146060] Re: FS: S&S Engineering ARK4 Xcvr
Message-ID: <OE44ciPXkmCJiLyNfHg00001efd@hotmail.com>

Would also consider a trade for working/non-working stuff.....

----- Original Message -----
From: N3BJ@hotmail.com
To: qrp-l@Lehigh.EDU
Date: Tue 02/11/2003 18:52
Subject: FS: S&S Engineering ARK4 Xcvr

For sale: S&S Engineering ARK4 40M transceiver. In nice shape, works fine, with
copy of manual. Kind of rare, unique rig. Not to be confused with the ARK40.
Just found one in kit form at a hamfest, so out it goes...
\$125 shipped

Alan, N3BJ

Date: Tue, 11 Feb 2003 14:59:41 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<Rock-Mite_Group@yahoogroups.com>
Subject: [146061] Rock-Mite DX happy dance
Message-ID: <001101c2d208\$1f7e7df0\$a0396fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked DL5MC with an unmodified 20 M Rock-Mite using an unremarkable

horizontal loop. He is a county hunter and didn't have mine (Shenandoah, VA) yet. So I guess he is as happy as I am.

Don't know what that is in miles per watt but it certainly was unexpected.

jim-
KG4LDY

Date: Tue, 11 Feb 2003 14:5:28 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecraft " <elecraft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146062] CW Keyboard program?
Message-ID: <412003221120528362@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for a good, robust CW keyboard sending program. Have been trying unsuccessfully to download CW Type. Not sure what the problem is, but it keeps locking up my laptop. So I have some sort of problem with the computer. But can someone forward a copy of the program as an attachment? Or, can someone send me some other easy-to-use CW sending program? Many thanks in advance.

73,
--Doc/K0EVZ

Date: Tue, 11 Feb 2003 20:30:50 -0000
From: "Tony Wells" <t.wells@blueyonder.co.uk>
To: <dock0evz@earthlink.net>, "qrp-l reflector" <qrp-l@Lehigh.edu>,
"Elecraft " <elecraft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146063] Re: [Elecraft] CW Keyboard program?

Message-ID: <03fe01c2d20c\$8985c100\$0d02a8c0@BART>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doc wrote:

>Have been trying
> unsuccessfully to download CW Type. Not sure what the problem is, but it
> keeps locking up my laptop. So I have some sort of problem with the
> computer.Doc,

I had this problem. The author of the software advised me to turn off the
anti virus before installing. Turn the AV back on after installation and all
should be well.

If you still have problem I'll send you a zipped copy of the install.

Regards,

Tony
M3CJF
G7IGG

> Looking for a good, robust CW keyboard sending program. But can someone
forward a copy of the program as an attachment?
> Or, can someone send me some other easy-to-use CW sending program? Many
> thanks in advance.

>

> 73,

> --Doc/K0EVZ

>

>

>

>

>

>

>

>

> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be a list member to post to the list.
> Postings must be plain text (no HTML or attachments).
> See: <http://mailman.qth.net/mailman/listinfo/elecraft>
> Elecraft Web Page: <http://www.elecraft.com>
>

Date: Tue, 11 Feb 2003 16:19:31 -0500
From: "Ron Pfeiffer" <n1zsw@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [146064] FS: FT-7 and FT-301SD with PS
Message-ID: <F93hnORNaNELKBrdHSz0001b0fd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Selling radios to get new radio:

1. Dirty and CW does not work but hot receiver and great SSB audio FT-7. Probably cleans-up well but great FD radio. Comes with manual and hand mic. Asking \$150 plus shipping or BO
2. FT-301SD plus matching 20 amp pwr with speaker. About 8 of 10. Mod done to display to keep it from burning up. Hot receiver and the notch is cool. The power supply has been modified to switch between the ft-301 internal speaker and the supply speaker. Comes with copy of manual, hand mic, and 500hz cw filter. Asking \$295 plus shipping.

Thanks for your bandwidth, Ron

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Tue, 11 Feb 2003 16:40:31 -0500
From: "Tom" <kf4yyd@adelphia.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [146065] Light Bulb Dummy Loads
Message-ID: <EIEBLEILGEEGMLHGHOAGOEIICDAA.kf4yyd@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Could someone point me to where I can find information on using a #47 bulb as a low power dummy load. All I can find in my copy of the '57 and 2001 ARRL Handbook, is the basic care and feeding data on this type. Glen Leinweber VE3DNL sent me an email during my recent troubleshooting exercise suggesting I use a #47 as a test rig because when the filament gets hot it is fairly close to 50 ohms. I was able to use it successfully I was just wondering how would someone know that? other than having a much smarter individual tell you about it.

Just curious,

Tom kf4yyd

Date: Tue, 11 Feb 2003 13:54:59 -0800 (PST)
From: "W2BJ" <barry@w2bj.com>
To: QRPp-I@yahoogroups.com, fists@qth.net, qrp-l@Lehigh.EDU
Subject: [146066] ARGONAUT V
Message-ID: <20030211135500.10590.h017.c001.wm@mail.minsky.org.criticalpath.net>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Hi Friends,
I have been reading about the Ten Tec Argonaut V.
It sounds good. Has anyone used or seen one? I
would appreciate any feedback. thanks.

72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
NorCal #1560, QRP-L, FISTS #2701, Century Club
#569, Platinum #51, Silver #119, FISTS CW Club of
Coastal Georgia, Knightlites, Adventure Radio
Society #359, QCWA #29298, OOTC #3723, SOC #193,
K2 #577, K1 #98, Rock Mite

Date: Tue, 11 Feb 2003 17:02:20 +0000
From: ve3ab@mail.mondenet.com
To: Qrp-l@Lehigh.edu
Subject: [146067] Re: Twisted Bifilar windings

Message-ID: <200302112209.h1BM90C01466@barclay.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

My first exposure to the advantages of twisting together wires in this fashion ..was when I built a single tube vacuum tube AF amplifier in lab experiment. I think the audio line input was tried with both twisted wire feed and untwisted wire feed. I think we were trying to prove that twisting the wires together made a feed that was shielded to some degree. This was way back in 1975 so my memory fails me. I think that twisted wires will radiate less. As for torroid winding ie 4 to 1 baluns..the Cushcraft R5 and R7 blackbox torroid has/had windings that were untwisted. Im quite interested in seeing if there is a good reason to build baluns with twisted wires. 73 Earl VE3AB

Date: Tue, 11 Feb 2003 16:19:26 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecraft " <elecraft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146068] THANKS--CW Keyboard
Message-ID: <4120032211221926386@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Many thanks for so *many* many responses. I have it all up and working by now. Wow, this is a fabulous group.

73,
--Doc/K0EVZ

Date: Tue, 11 Feb 2003 17:21:58 -0500
From: "Rick Wilson" <rickw@cfw.com>

To: <qrp-1@Lehigh.EDU>
Subject: [146069] TenTec 208 Filter Schematic
Message-ID: <004001c2d21b\$ff0d3200\$02340cd8@rickw.cfw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have the schematic for the Ten Tec 208 filter that they could scan and email to me?

Thanks, Rick N3KRS

End of QRP-L Digest 2828

